

August 21, 2012

Illinois Environmental Protection Agency Bureau of Air Compliance Section (MC40) Post Office Box 19276 Springfield, Illinois 62794-9276



Subject:

Semi-Annual Monitoring System Performance Report for Sterigenics -

Willowbrook, IL Facilities - Permit ID #043110AAC/Summary Report-Gaseous and

Opacity Excess Emission and Continuous Monitoring System Performance

Dear Compliance Section:

This letter constitutes the semi-annual monitoring and summary report for Sterigenics Willowbrook, Illinois facilities. This report is intended to satisfy all semi-annual reporting requirements in our current air permit. This report is organized by reporting requirements required by 40 CFR 63.366 (a)(3) and permit condition.

<u>Summary Report</u> for Sterigenics' facilities located at 7775 Quincy Street, Willowbrook, IL and 830 Midway Drive, Willowbrook, IL. These two facilities are combined in Permit #043110AAC.

Reporting Period Dates:

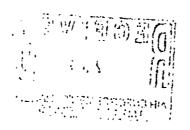
January 1, 2012 to June 30, 2012.

Description of Process Units:

The facility process units are sterilization process chambers of various size using ethylene oxide and propylene oxide gases as the sterilant. The sterilization process chambers vacuum pump emissions are vented to the DeOxx Scrubber for Willowbrook I and to the AAT Scrubber for Willowbrook II. The aeration rooms are vented to the AAT Scrubber for Willowbrook I and II. Back vents are uncontrolled.

Emission and Operating Parameter Limitations Specified in Relevant Standards:

Control	Control Parameter	Limitations/Standards	Deviations
Device:			
<u>DeOxx</u>	Scrubber Glycol	Record Weekly, must be less than 5,200	None
Scrubber WB 1	Solution Liquor Level	gallons.	
AAT Scrubber	Scrubber Glycol	Record Weekly, must be less than or equal to	None
<u>WB I</u>	Solution Liquor Level	<u>160"</u>	
AAT Dry Bed	Dry Bed Emission	Record Weekly, must be less than 1 ppm	None
Analysis WB 1	Outlet Concentration		
AAT Scrubber	Scrubber Glycol	Record Weekly, must be less than 202".	None
<u>WB 11</u>	Solution Liquor Level		
AAT Dry Bed	Dry Bed Emission	Record Weekly, must be less than 1 ppm for	None
Analysis WB II	Outlet Concentration	Aeration and 60 ppm for Vacuum Pump	
		Discharge	



•

Monitoring Equipment Manufacturers and Model Numbers:

N/A. There is no CMS monitoring equipment.

The date of the latest CMS certification or audit:

N/A. There is no CMS monitoring equipment.

The Total Operating Time of the Affected Source During the Reporting Period:

4,344 Hours.

The AAT Scrubber Willowbrook II was down for 72 hours for replacement of a pump; replacement was conducted with like-for-like equipment. During that period there were no excess emissions.

Operation was continuous throughout the reporting period for the DOxx Scrubber Willowbrook I and the AAT Scrubber Willowbrook I.

Emission Data Summary:

Control	Total Duration of	Excess Emission Duration by Cause (hours)				
Unit	Excess	Startup/Sbutdown	Control	Process	Otber	Unknown
	Emissions/quantity		Equipment	Problems	Know	Causes
	released		Problems		Causes	
DeOxx Scrubber WB I	None	N/A	N/A	N/A	N/A	N/A
AAT Scrubber WB I	None	N/A	N/A	N/A	N/A	N/A
AAT Scrubber II	None	N/A	N/A	N/A	N/A	N/A

CMS Performance Summary:

N/A

Description of Changes in CMS, Process or Controls since Last Reporting Period:

N/A

Condition 8.6.1 requires:

A report summarizing required monitoring as specified in the conditions of this permit shall be submitted to the Air Compliance Section of the Illinois EPA every six months as follows, unless more frequent submittal of such reports is required in Sections 5 or 7 of this permit:

Monitoring PeriodReport Due DateJanuary – JuneSeptember 1July – DecemberMarch 1

All instances of deviations from permit requirements must be clearly identified in such reports. All such reports shall be certified in accordance with condition 9.9.

Sterigenics U.S. LLC has reviewed all applicable provisions of the operating permit. All liquid levels in the scrubbers are being monitored weekly and were within the levels established during the compliance test. U.S. EPA Region 5 approved monitoring requirements for the AAT Dry Bed Adsorbent System on December 19, 2002. There have not been any deviations from current applicable limits or standards. There also have not been any monitor malfunctions during the reporting period from January 1, 2012 through June 30, 2012.

Responsible Official Certification

Based on the information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete. 8/21/12 Date

Kathy Hoffman

Senior Vice President - EHS

If you have any questions regarding this report, please call me at (630) 928-1768.

Sincerely,

Susan Reinhardt

: Syan Pfinhards

Manager

Environment, Health and Safety

Pc: Bob Novak – Manager of Operations - Willowbrook

> Kathleen Hoffman - Senior Vice-President EHS Sandra Haissig- Vice President of Operations

Illinois Environmental Protection Agency Division of Air Pollution Control 9511 West Harrison Des Plaines, Illinois 60016

Illinois Environmental Protection Agency Division of Air Pollution Control Permit Section P.O. Box 19506 Springfield, Illinois 62794-9506

USEPA (AR-17J) Air & Radiation Division 77 West Jackson Boulevard Chicago, Illinois 60604



UOP LLC

25 E. Algonquin Rd. Des Plaines, IL 60017-5017

Tel: 847.391.2000 Fax: 847.391.2253

wCertified Mail Return Receipt Requested

August 27, 2012

Illinois Environmental Protection Agency Bureau of Air Compliance Section (MC 40) P. O. Box 19276 Springfield, IL 62794-9276

Subject:

CAAPP Semi-Annual Monitoring Report 2012

UOP LLC - Des Plaines, IL

ID#: 031063ABE Permit # 95120029

Dear Sir/Madam:

Enclosed is a completed IEPA CAAPP Semi-Annual Monitoring Report for January thru June 2012. The report includes the certification sheet and Vapor pressure tests of the waste liquid for our waste hydrocarbon underground storage tank for this time period (Section 3.2.5 of the Title V Permit).

For further information, please contact Robert Wachsmuth (847) 391-3402.

Sincerely,

Andrew S. Zarchy

Director, Experimental Development

Research and Development

Cc: Illinois Environmental Protection Agency
Division of Air Pollution Control
Permit Section (MC 11)
P.O. Box 19506

Springfield, Illinois 62794-9506

USEPA (AE-17J)

Air and Radiation Division 77 West Jackson Boulevard Chicago, Illinois 60604 Illinois Environmental Protection Agency Division of Air Pollution Control

2711 TV

9511 West Harrison

Des Plaines, Illinois 60016



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE				
Revision #:				
Date:	_ /		_ /	
Page		_ of .		
Source Designation:				

	FOR AGENCY USE ONLY			
COMPLIANCE AND GENERAL	ID NUMBER:			
REPORTING FORM	PERMIT #:			
	DATE:			

THIS FORM IS USED FOR EITHER OF THE FOLLOWING:

- TO REPORT AND CERTIFY COMPLIANCE OF AN ENTIRE SOURCE OR SPECIFIC ITEMS OF EQUIPMENT WITH ALL APPLICABLE REQUIREMENTS DURING A REPORTING PERIOD, OR
- TO IDENTIFY AND ENSURE PROPER PROCESSING OF A SUBMITTED REPORT. THIS FORM SHOULD BE USED AS THE COVER SHEET OF THE SUBMITTED REPORT.

SOURCE	E INFORMATION	<u> </u>
1) SOURCE NAME:		
UOP LLC		
2) DATE FORM	3) SOURCE ID NO.	
PREPARED: 8/24/2012	(IF KNOWN):	031063ABE
	L INFORMATION	-
4) INDICATE FOR WHICH OF THE FOLLOWING THIS FO	ORM IS BEING COMP	PLETED:
TO REPORT AND CERTIFY COMPLIANCE OF ALL APPLICABLE REQUIREMENTS	THE SOURCE OR	SPECIFIC ITEMS OF EQUIPMENT WITH
TO IDENTIFY AND ENSURE PROPER PROCES	SSING OF A SUBM	ITTED REPORT
5) PERIOD COVERED BY THIS REPORT:		
F _{ROM:} January 1, 20)12	_{TO:} June 30, 2012
6) NAME AND PHONE NUMBER OF PERSON TO CONTA	ACT FOR QUESTION	S REGARDING THIS REPORT:
NAME: Robert Wachsmuth	тітсе: <u> Е</u>	invironmental Coordinator
PHONE#: (<u>847</u>) 391 _ 3,402	EXT:	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES. 1991, AS AMENDED 1992, CHAPTER 111 1/2. PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE 1

COMPLIANCE OF SOURCE OR EQUIPMENT DURING REPORTING PERIOD
COMPLETE ITEM 7 BELOW IF THIS FORM IS BEING USED TO REPORT AND CERTIFY COMPLIANCE OF THE ENTIRE SOURCE.
COMPLETE ITEM 8 BELOW IF THIS FORM IS BEING USED TO REPORT AND CERTIFY COMPLIANCE OF SPECIFIC ITEMS OF EQUIPMENT ONLY.
7) WAS THE SOURCE IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS FOR THE YES NO
IF YES, THEN THE "REPORT INFORMATION" SECTION ON PAGE 3 OF THIS FORM DOES NOT NEED TO BE COMPLETED.
IF NO, THEN COMPLETE AND SUBMIT FORM CAAPP-405 -"EXCESS EMISSIONS, MONITORING EQUIPMENT DOWNTIME, AND MISCELLANEOUS REPORTING FORM."
8a) LIST THE EMISSION UNIT(S) AND CONTROL EQUIPMENT FOR WHICH THIS FORM IS BEING COMPLETED TO REPORT AND CERTIFY COMPLIANCE WITH (IF ADDITIONAL SPACE IS NEEDED FOR ITEM 10, ATTACH AND LABEL AS EXHIBIT 400-A):
Insignificant Activities Section 3.0
Compliance with Applicable Requirements 3.2
·
b) IDENTIFY THE APPLICABLE REQIREMENT(S) FOR WHICH THIS FORM IS BEING USED TO REPORT AND CERTIFY COMPLIANCE WITH:
Section 3.2.54 For the waste hydrocarbon underground storage tank which requires a physical test of
the vapor pressure of the waste liquid stored in teh storage tank at least once every six months after
the initial physical test.
c) IDENTIFY THE APPLICABLE REQIREMENT(S) WHICH REQUIRE THAT THIS REPORT OR CERTIFICATION BE
SUBMITTED:
8.6 Reporting Requirements
8.6.1 Monitoring Reports
Monitoring report needs to be submitted every six months
Monitoring period - January 1, 2012 thru June 30, 2012

a) WERE THE ABOVE REFERENCED ITEMS IN 8(a) IN COMPLIA APPLICABLE REQUIREMENTS FOR THE ENTIRE REPORTING			ON O
IF YES, THEN THE "REPORT INFORMATION" SECTION ON PA	AGE 3 OF THIS FORM	DOES NOT NEED	го ве
IF NO, THEN COMPLETE AND SUBMIT FORM CAAPP-405 - "E DOWNTIME, AND MISCELLANEOUS REPORTING FORM."	XCESS EMISSIONS,	MONITORING EQUI	PMENT
DEPORT WEODS	44704		_
9) TITLE OF REPORT BEING SUBMITTED:	<u>MATION</u>	<u> </u>	
3,			
10) IDENTIFY THE APPLICABLE REQIREMENT(S) WHICH REQUIR	ES THIS REPORT (IF	APPLICABLE):	_
The state of the s	LO TINO NEI OTT (II	ALT CIONDELY.	
11) BRIEFLY EXPLAIN WHAT THIS REPORT COVERS:			
12) ATTACH THE REPORT TO THIS FORM.			
Attached			
SIGNATURE BI		-	
NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICE WILL BE RETURNED AS INCOMPLETE.			
13) I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFOR INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED COMPLETE.	MATION AND BELIEF IN THIS APPLICATION	FORMED AFTER F ON ARE TRUE, ACC	EASONABLE JRATE AND
AUTHORIZED SIGNATURE:			
BY: QUINT	Discours Free 1		D.C.
AUTHORIZED SIGNATURE		nental Developm	ent, R&D
Andrew S. Zarchy	AUG	LE OF SIGNATORY	
TYPED OR PRINTED NAME OF SIGNATORY		DATE / Z	012
		D	

5-11-2012 WASTE

Untitled

```
VPXpert Curve Result
serial no.:
                90
Sample Name:
User Name:
Date/Time:
                15/05/2012 11:05
meas. method: ASTM D5191 prep.
T_start:
                   10.0
T_final:
                   40.0
Stepwidth:
                      1
                   1.0
HeatRate:
V/L ratio:
                 4.0
        0.88[psi]
                 sij p_tot = 1.47[psi] p_gas = 0.965*p_tot + 0.000*p_gas -0.548[psi]
                                                              0.20[psi]
Formula:
meas no.001:
                                              0.88[psi]
                Tmeas:
                         10.0
                                =>
                                     DVPE =
                                                                       0.20[psi]
                                                             p_gas =
                                              0.88[psi]
0.97[psi]
1.05[psi]
1.16[psi]
1.24[psi]
1.33[psi]
meas no.002:
                          11.0
                Tmeas:
                                =>
                                     DVPE =
                                                             p_gas =
                                                                       0.20[psi]
meas no.003:
                                     DVPE =
                                                                       0.20[psi]
                Tmeas:
                          12.0
                                =>
                                                             p_gas =
                                                                       0.20[psi]
0.20[psi]
meas no.004:
                Tmeas:
                          13.0
                                 =>
                                     DVPE =
                                                             p_gas =
meas no.005:
                                     DVPE =
                Tmeas:
                                 =>
                                                             p_gas =
meas no.006:
                          15.0
                                     DVPE =
                Tmeas:
                                 =>
                                                             p_gas =
                                                                       0.20[psi]
                                               1.43[psi]
meas no.007:
                                     DVPE =
                                                                       0.20[psi]
                Tmeas:
                          16.0
                                 =>
                                                             p_gas =
meas no.008:
                Tmeas:
                          17.0
                                     DVPE =
                                               1.52[psi]
                                                                       0.20[psi]
                                 =>
                                                             p_gas =
meas no.009:
                Tmeas:
                          18.0
                                               1.62[psi]
                                 =>
                                     DVPE =
                                                             p_qas =
                                                                       0.20[psi]
                                               1.72[psi]
meas no.010:
                Tmeas:
                          19.0
                                     DVPE =
                                                             p_gas =
                                 =>
                                                                       0.20[psi]
meas no.011:
                          20.0
                                               1.82[psi]
                Tmeas:
                                 =>
                                     DVPE =
                                                             p_gas =
                                                                       0.20[psi]
                                               1.94[psi]
2.05[psi]
meas no.012:
                Tmeas:
                          21.0
                                     DVPE =
                                                             p_gas =
                                 =>
                                                                       0.20[psi]
meas no.013:
                          22.0
                                                                       0.20[psi]
0.20[psi]
                Tmeas:
                                 =>
                                     DVPE =
                                                             p_{gas} =
meas no.014:
                          23.0
                                     DVPE =
                                               2.16[psi]
                Tmeas:
                                 =>
                                                             p_gas =
                          24.0
meas no.015:
                Tmeas:
                                 =>
                                     DVPE =
                                               2.27[psi]
                                                                       0.20[psi]
                                                             p_gas =
                          25.0
                                               2.40[psi]
                                                                       0.20[psi]
meas no.016:
                                     DVPE =
                Tmeas:
                                 =>
                                                             p_gas =
meas no.017:
                                                                       0.20[psi]
                Tmeas:
                          26.0
                                     DVPE =
                                               2.53[psi]
                                 =>
                                                             p_gas =
meas no.018:
                          27.0
                                     DVPE =
                Tmeas:
                                 =>
                                               2.65[psi]
                                                             p_gas =
                                                                        0.20[psi]
                                     DVPE ≔
                                               2.79[psi]
meas no.019:
                Tmeas:
                          28.0
                                =>
                                                             p_gas =
                                                                        0.20[psi]
                                               2.92[psi]
3.07[psi]
meas no.020:
                Tmeas:
                          29.0
                                =>
                                     DVPE =
                                                                       0.20[psi]
                                                             p_{-}gas =
                                                                       0.20[psi]
0.20[psi]
meas no.021:
                Tmeas:
                          30.0
                                 =>
                                     DVPE =
                                                             p_gas =
                                               3.23[psi]
3.37[psi]
meas no.022:
                Tmeas:
                          31.0
                                 =>
                                     DVPE =
                                                             p_gas =
meas no.023:
                Tmeas:
                          32.0
                                     DVPE =
                                 =>
                                                             p_gas =
                                                                        0.20[psi]
                                               3.53[psi]
                                                                       0.20[psi]
meas no.024:
                Tmeas:
                          33.0
                                 =>
                                     DVPE ≃
                                                             p_gas =
meas no.025:
                          34.0
                                               3.69[psi]
                Tmeas:
                                     DVPE =
                                                                        0.20[psi]
                                 =>
                                                             p_gas =
                                               3.85[psi]
meas no.026:
                          35.0
                                     DVPE =
                Tmeas:
                                 =>
                                                             p_gas =
                                                                        0.20[psi]
meas no.027:
                Tmeas:
                          36.0
                                 =>
                                     DVPE =
                                               4.03[psi]
                                                                        0.20[psi]
                                                             p_gas =
meas no.028:
                                               4.19[psi]
                          37.0
                                     DVPE =
                Tmeas:
                                =>
                                                             p_qas =
                                                                        0.20[psi]
meas no.029:
                          38.0
                                     DVPE =
                                               4.37[psi]
                Tmeas:
                                =>
                                                             p_gas =
                                                                        0.20[psi]
                                               4.55[psi]
meas no.030:
                Tmeas:
                          39.0
                                =>
                                     DVPE =
                                                             p_gas =
                                                                        0.20[psi]
                                     DVPE =
meas no.031:
                Tmeas:
                          40.0
                                =>
                                               4.77[psi]
                                                             p_gas =
                                                                       0.20[psi]
```

1.82 ps. (Lesq Kpa) = 12.54 Kpa

2/15/12 HWUST - FLASH = <-3.0

Untitled DVPE Q 20°C = 2.46 PSI

```
VPXpert Curve Result
serial no.:
                90
Sample Name:
User Name:
                15/02/2012 16:11
Date/Time:
meas, method: ASTM D5191 prep.
                  10.0
T_start:
T_final:
                  40.0
Stepwidth:
HeatRate:
                   1.0
V/L ratio:
DVPE = 1.33[psi]
                 osi] p_tot = 1.95[psi] p_gas = 0.965*p_tot + 0.000*p_gas -0.548[psi]
                                                             0.49[psi]
Formula:
                                    DVPE = 1.33[psi]
meas no.001:
                         10.0
                Tmeas:
                               =>
                                                            p_gas =
                                                                      0.49[psi]
                                                                      0.49[psi]
meas no.002:
                Tmeas:
                         11.0
                                     DVPE =
                                              1.46[psi]
                                =>
                                                            p_gas =
                                                                      0.49[psi]
meas no.003:
                         12.0
                                     DVPE =
                                             1.58[psi]
                Tmeas:
                                =>
                                                            p_gas =
                                              1.68[psi]
1.76[psi]
1.88[psi]
2.00[psi]
2.11[psi]
                                                                      0.49[psi]
meas no.004:
                         13.0
                                     DVPE =
                Tmeas:
                                =>
                                                            p_gas =
                                                                      0.49[psi]
0.49[psi]
meas no.005:
                         14.0
                                =>
                                     DVPE =
                Tmeas:
                                                            p_gas =
meas no.006:
                Tmeas:
                         15.0
                                =>
                                     DVPE =
                                                            p_gas =
meas no.007:
                                     DVPE =
                                                                      0.49[psi]
                Tmeas:
                         16.0
                                =>
                                                            p_gas =
meas no.008:
                                     DVPE =
                                                                      0.49[psi]
                         17.0
                Tmeas:
                                =>
                                                            p_gas =
                                              2.21[psi
meas no.009:
                Tmeas:
                         18.0
                                =>
                                     DVPE =
                                                            p_gas =
                                                                      0.49[psi]
                                                                      0.49[psi]
                                              2.34[psi]
meas no.010:
                Tmeas:
                         19.0
                                     DVPE =
                                                            p_gas =
meas no.011:
                         20.0
                                     DVPE =
                                              2.46[psi]
                                                                      0.49[psi]
                Tmeas:
                                =>
                                                            p_gas =
                                                                      0.49[psi]
meas no.012:
                         21.0
                                     DVPE =
                                              2.58[psi]
                Tmeas:
                                =>
                                                            p_gas =
                                                                      0.49[psi]
                                                            p_gas =
meas no.013:
                         22.0
                                     DVPE =
                                              2.71[psi]
                Tmeas:
                                =>
                                              2.84[psi]
2.97[psi]
3.10[psi]
                                                                      0.49[psi]
0.49[psi]
meas no.014:
                         23.0
                                     DVPE =
                                                            p_gas =
                Tmeas:
                                =>
meas no.015:
                Tmeas:
                         24.0
                                =>
                                     DVPE =
                                                            p_gas =
                                                                      0.49[psi]
meas no.016:
                                     DVPE =
                          25.0
                Tmeas:
                                =>
                                                            p_gas =
                                     DVPE =
meas no.017:
                         26.0
                                              3.24[psi]
                                                                      0.49[psi]
                Tmeas:
                                =>
                                                            p_gas =
                                              3.39[psi]
meas no.018:
                Tmeas:
                         27.0
                                =>
                                     DVPE =
                                                            p_gas =
                                                                      0.49[psi]
                                              3.53[psi]
meas no.019:
                         28.0
                                     DVPE =
                                                                      0.49[psi]
                Tmeas:
                                =>
                                                            p_gas =
                                              3.69[psi]
                                                                      0.49[psi]
meas no.020:
                Tmeas:
                         29.0
                                     DVPE =
                                                            p_gas =
                                              3.85[psi]
4.03[psi]
                                                                      0.49[psi]
0.49[psi]
                         30.0
meas no.021:
                                     DVPE =
                Tmeas:
                                =>
                                                            p_gas =
meas no.022:
                          31.0
                                     DVPE =
                                =>
                                                            p_gas =
                Tmeas:
                                              4.19[psi]
4.39[psi]
                                                                       0.49[psi]
0.49[psi]
meas no.023:
                          32.0
                                =>
                                     DVPE =
                                                            p_gas =
                Tmeas:
meas no.024:
                Tmeas:
                          33.0
                                =>
                                     DVPE =
                                                            p_gas =
meas no.025:
                                              4.55[psi]
                                                                       0.49[psi]
                          34.0
                                =>
                                     DVPE =
                                                            p_gas =
                Tmeas:
meas no.026:
                          35.0
                                     DVPE =
                                              4.75[psi]
                                                                       0.49[psi]
                Tmeas:
                                =>
                                                            p_gas =
                                                                       0.49[psi]
meas no.027:
                                              4.94 [psi]
                          36.0
                                     DVPE =
                Tmeas:
                                =>
                                                            p_gas =
                          37.0
                                                                       0.49[psi]
meas no.028:
                                     DVPE =
                                              5.14[psi]
                                =>
                                                            p_gas =
                Tmeas:
                                              5.35[psi]
meas no.029:
                Tmeas:
                          38.0
                                =>
                                     DVPE =
                                                            p_gas =
                                                                       0.49[psi]
                                              5.55[psi]
meas no.030:
                Tmeas:
                          39.0
                                =>
                                     DVPE =
                                                            p_gas =
                                                                       0.49[psi]
                                                                       0.49[psi]
                          40.0
                                     DVPE =
                                              5.78[psi]
meas no.031:
                Tmeas:
                               =>
```

2.44 (4.89 Kps) - 16.95 Kph